

What Is Claimed Is:

1. A closure comprising:

a top wall;

5 a skirt surrounding said top wall and extending downwardly
therefrom with a terminating edge opposite said top wall defining
an open bottom end;

a bead integral with an inner surface of said skirt and
spaced from said top wall; and,

10 a helical thread having a substantially flat upper thread
surface circumscribing said inner surface of said skirt, said
thread having a lower thread profile end of a first depth and an
upper thread profile end of a second depth, said first depth
being greater than said second depth, said upper thread profile
extending downwardly from said non-back-off bead.

15 2. The closure of Claim 1, including a seal on the inner
surface of said top wall.

3. The closure of Claim 2, said seal being positioned
between said top wall and said bead.

4. The closure of Claim 2, said seal being disc-shaped.

5. The closure of Claim 2, said seal being linerless.

6. The closure of Claim 1, said thread being tapered to a second depth terminating coincident to said inner surface of said skirt prior to reaching said bead.

7. The closure of Claim 6, said second depth further tapering flush with said inner surface of said skirt.

8. The closure of Claim 7, said second depth ending at a point coincident with a bead disposed between said top wall and said second depth.

9. The closure of Claim 1, wherein said first depth is about .0475 inches and said second depth is about .01 inches.

10. The closure of Claim 9, said thread being further tapered to a nominal depth terminating prior to reaching said bead.

11. The closure of Claim 10, said thread diminishing in depth between said first and second depths.

12. The closure of Claim 9, said thread diminishing in depth over an arc of between 45° and 120° from said upper thread profile end.

13. The closure of Claim 9, said thread diminishing in
5 depth over a 90° arc from said upper thread profile end.

14. A closure comprising:

a top wall and skirt depending from said top wall;

a bead integral with an inner surface of said skirt and spaced from said top wall; and,

10 a helical thread having a lower thread portion of a first depth and an upper thread portion of a second depth, said first depth being greater than said second depth, said upper thread portion of said thread extending downwardly from said bead.

15 15. The closure of Claim 14, said thread being tapered to a depth terminating coincident to said inner surface of said skirt prior to reaching said bead.

16. The closure of Claim 14, said thread being variable in depth over an arc of about 90° of said upper thread portion end.

17. The closure of Claim 14, wherein a seal is located between said bead and said top wall.

18. A closure comprising:

5 a top wall and an annular skirt depending from said top wall;

a bead integral with an inner surface of said skirt and spaced from said top wall;

10 a helical thread having a lower thread profile end of a first depth and an upper thread profile end of a second depth, said first depth being greater than said second depth, said upper profile extending downwardly from said bead and said thread having a flat upper surface;

15 said thread being tapered to a depth terminating coincident to said inner surface of said skirt prior to reaching said bead; and,

said thread being variable in depth over an arc of between 45° and 120° from said upper thread profile end.

19. The closure of Claim 19, wherein a seal is located between said bead and said top wall.

20. A closure, comprising:

a top wall and annular skirt depending therefrom;

5 a helically circumscribing thread integral with an inner surface of said skirt;

said thread having a substantially flat upper thread surface;

10 said thread tapering into said skirt beneath said bead over an arc of between 45° to about 120°; and,

said thread being tapered to a depth flush with said inner surface of said skirt prior to reaching said top wall.

21. A closure, comprising:

a circular top wall and skirt depending therefrom;

15 a helical thread circumscribing an inner surface of said skirt and having a flat upper surface along its entire

length, said flat upper surface being at an angle of about 90° to
said skirt;

said helical thread having a lower profile of a first
depth of about .0475 inches and an upper profile of a second
5 depth of about .01 inch;

said first depth being greater than said second depth
such that said upper profile tapers into said skirt sidewall from
said second depth to a third depth of about 0 (zero) inches.